

Overbay, Michael

From: Overbay, Michael
Sent: Wednesday, December 11, 2013 2:33 PM
To: Dellinger, Philip; Stacey Dwyer
Subject: FW: Bayou Corne Science Workgroup Agenda
Attachments: Settlement Report-MRAA Extraction North of Hwy.pdf; Texas Brine_Seismic Update_21Oct.pdf

I asked about the situation with radium and butane, and the CBI contractor (Calvin) said that they have sampled for NORM and he does not recall detecting radium. Butane has been detected at less than 1%, which is consistent with natural gas mixtures. No indication of leakage from the butane caverns.

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US Environmental Protection Agency, Region 6
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From: Thomas Van Biersel [mailto:Thomas.VanBiersel@LA.GOV]
Sent: Wednesday, November 13, 2013 9:02 AM
To: 'boyce.clark@arcadis-us.com'; 'bobby.mcdonald@sug.com'; Brent Campbell; 'bill.goodman@respec.com'; 'Dayton.j.pannell@uscg.mil'; 'dgodda1@lsu.edu'; Gary Ross; Gary Snellgrove; 'garcement@usgs.gov'; Jake Causey; 'gljeff@lsu.edu'; Jim Welsh; 'joe@ratiganeandc.com'; 'jwarneke@texasbrine.com'; Johan Forsman; 'hammer@lsu.edu'; 'jlovelac@usgs.gov'; 'thibod@lsu.edu'; 'agpul@lsu.edu'; 'michael.leblanc@crosstexenergy.com'; Patrick Courreges; 'rebecca.l.fuller@uscg.mil'; 'rghughes@lsu.edu'; 'lmilne1@lsu.edu'; Robert Benoit (DNR); David Elfert; Ross LeBlanc (DNR); Stephen Chustz (DNR); 'tedbourgoyne@lsu.edu'; 'warrenii@lsu.edu'; 'cjohn@lsu.edu'; 'cung.vu@chevron.com'; 'jlanglinais@cox.net'; 'kblanchard@texasbrine.com'; 'ellsworth@usgs.gov'; 'jrubinstein@usgs.gov'; 'hickman@usgs.gov'; 'shorton@memphis.edu'; 'wleith@usgs.gov'; 'benz@usgs.gov'; 'mblanpied@usgs.gov'; 'sehammon@usgs.gov'; 'jkolak@usgs.gov'; 'StephenSpencer@ios.doi.gov'; 'rawilliams@usgs.gov'; 'johnboudreaux@assumptionoep.com'; Kevin Davis; Donald Haydel; 'William.Goodman@respec.com'; Clay Trachtman; peggy.hatch@la.gov; Celeste Bonnacaze; Dutch Donlon; Kevin Masden; Stephen Lee; 'mcartwright@unitedbrine.com'; Larry Gill; 'greg.ball@chevron.com'; Pat Santos; Christopher Guilbeaux; James Smith (GOHSEP); 'LauraSwafford@chevron.com'; Steve Meunier; 'djborns@sandia.gov'; 'sjbauer@sandia.gov'; 'Jill McMillan (jill.mcmillan@CrosstexEnergy.com)'; 'Scott Goldberg (scott.goldberg@crosstexenergy.com)'; 'Chevron larry piglia'; 'rthoms@cox.net'; 'cwillson@lsu.edu'; Dellinger, Philip; Frazier, Mike; Graves, Brian; Overbay, Michael; 'Norman Mabile (normanmabile@msn.com)'; 'davisbd@aol.com'; 'Saxton, Deborah'; 'Krolow, Mark (MRKR) (MRKR@chevron.com)'; 'MCraven@chevron.com'; 'Juan M Lorenzo'; Rhett Desselle; Richard Swan; 'Ed Gottlob'; 'Hecox, Gary'; 'wpettitt@itascacg.com' (wpettitt@itascacg.com); 'mcgarr@usgs.gov'; 'kathy_riparian@bellsouth.net'; 'julie@meggeo.com'; 'Michael Taylor'; Tom Killeen; Byron Miller; 'Wiggs, Calvin R'; 'LeBas, Luke E'; 'Gary_P._Kinler@OXY.COM'; 'Bettin, Giorgia'; Chris Knotts; 'DONMARLIN@aol.com'; Travis Williams
Cc: Brenda Miranda; Mollie Montelaro; Dana Naquin
Subject: RE: Bayou Corne Science Workgroup Agenda

Below is today's agenda. If you have any items you wish to add to the agenda send them to me before the meeting. Please call in promptly at 2:00 p.m. to beginning the discussion at approximately 2:05 p.m CDT.

Call login info:

1. Choose one of the following numbers to dial:

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MEETING AGENDA 11/13/13 – 2:00 p.m. (CST)

1. Current Status/Updates

a. Bubbling Locations/Intensity Changes (CBI)

One new bubble site in a canal 2'000 feet SW from sinkhole. # 101. Last bubble site monitoring was 11/13/13. Not much change in other bubbling sites. One has stopped, but another looks like it increased. New electromagnetic survey has been done around the sinkhole and bubble locations.

b. Sink Hole Changes (TBC and CBI)

Cracks along the central portion of the southern berm due to about 3 feet of subsidence. CBI is repairing them. Other sides of the berm show less subsidence and cracking. Texas Brine is pumping water into the sinkhole, which is about a foot lower than the outside water levels.

c. Observed Seismic Activity (TBC, CERI and/or Steve Horton)

Not much to report. Went to seismic level 1 (the lowest) since Nov. 6th. Slight increase in activity over the last week near Oxy #3, but not anything significant yet.

d. Aquifer Relief/Vent Wells, Monitoring Wells, Geophone wells and Geoprobes (CBI and TBC)

Relief wells – 17/47 wells are flaring 45 MCF/day, cumulative 27 MMCF. Most flaring is near Bayou Corne. Shallow geoprobe wells for monitoring formation pressure in the aquifer – 18 by CBI + 6 by TB. 17/18 show no pressure. 3/6 show no pressure. Wells with pressure average 5-12 PSI. Industrial water wells – no new information. MRAA monitor wells are being sampled and will have slug tests next week. No new information on the geophone 1 well.

e. Testing/Data Collection on OXY #3 Cavern (TBC)

Maximum tool depth measured on Dec. 5th at 141' lower than previous measurement. The solids interface (based on gamma ray log of fluids density (1.7 gm/cm cubed) is at the top of the cavern. Pressures at the cavern increased beginning Oct. 5th, and TB bled off to reduce pressure, but pressures on Dec. 5th were 918 psi on the casing and 677 psi on the tubing. Max tool depth measured in Nov. 3640 vs 3781 on 12/5 3400 feet top of cavern.

f. Subslab monitoring (CBI and TBC)

Nothing new to report.

g. Subsidence monitoring (CBI and TBC)

Nothing new to report.

2. Other issues

a. Next call scheduling -- January 15th.

Calvin, no radium has been detected, and less than 1% butane, which is consistent with natural gas mixtures.

3. Adjourn

Thomas

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